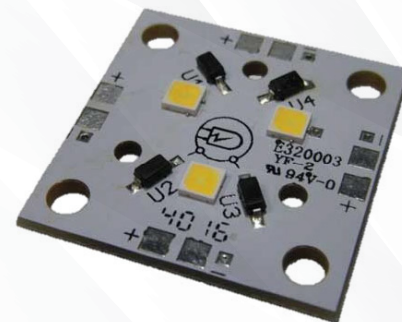


DYNASQUARE G025

12v LED Light Engine

PRODUCT OVERVIEW

The DynaSquare G025 is a 12VDC, constant voltage LED light engine with an integrated onboard driver. The one square inch PCB is populated with Nichia 757 LEDs and can deliver up to 260 lumens. With four sets of available solder pads, multiple DynaSquares can be connected, mosaic style, to form a custom light engine array. Boasting PWM dimming plus a variety of attachable optics and it is clear to see that the DynaSquare offers illumination and versatility to meet countless applications and needs.



FEATURES

- ✓ Made in America design and quality
- ✓ DC input power up to 15 VDC
- ✓ Three LEDs and four sets of power pads
- ✓ Four standard mounting holes
- ✓ Multiple beam sculpting optics available
- ✓ Daisy-chain capable up to twenty units per run
- ✓ Customization of specifications available

Product						
General	Shape	Square				
	LED Count	3				
	Field Cut	No				
	Daisy Chain Limit	Up to 20 units				
	Lumens ¹	249 to 265lm				
	Beam Angle	120°				
	Optics	16°	22°	26°	37°	43x16°
	CCT	2700K to 6500K & Horticulture				
	CRI	80min & 90min				
	Colors	Blue, Green, Red, Yellow				
Electrical	Input Voltage	11V _{DC} min	12V _{DC} typ		15V _{DC} max	
	Wattage	1.44 W typ				
	Power Consumption	17.3 W/ft				
	Efficacy ²	180 lm/W				
Control	Dimming	Yes				
	Type	PWM				
Environment	Operating Temp	-40 to 100° C				
	Storage Temp	-40 to 125° C				
Mechanical	Connection	8 Solder Pads				
	Mounting Holes	4				
	Dimension	1.0 x 1.0 x 0.12 in (25.4 x 25.4 x 3.1 mm)				
	Weight	0.08 oz (2.1 g)				
Regulatory	Compliance	RoHS				
	Warranty	1 Year				

^{1,2} Calculated using white, non horticulture, LEDs.

* All specifications subject to change without prior notification.

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Ordering Information

(Example: G025-N7H184012)

Product ID	-	Manf	Family	Generation	CRI ¹	CCT ²	Drive Current
G025		Nichia	Z57	H1 G0	80+ 90+	2700K 3000K 3500K 4000K 5000K 6500K BLU GRN RED YEL H30 H50	120mA

¹ CRI does not apply to color LEDs;
² H30 and 50 are Horticulture 3000K and 5000K.

Part Number Identification Table

Part Number	Description	LED Number	Full Width Viewing Angle
CO-10507	Narrow Spot	3	16°
CO-10511	Frosted Narrow		22°
CO-10508	Frosted Medium		26°
CO-10509	Frosted Wide		37°
CO-10510	Frosted Elliptical		43 x 16°

Mechanical Drawings

